

CLAIMS

1. An automotive air conditioner comprising;
a refrigerant evaporator for cooling air
blown into a driver-passenger compartment,
5 a refrigerant compressor for drawing
thereinto, compressing and discharging gaseous
refrigerant which has evaporated as a result of heat
exchange with air in the refrigerant evaporator, and
a radiation thermometer for detecting a
10 surface temperature of the refrigerant evaporator from an
amount of radiation energy radiated from the refrigerant
evaporator, wherein
the operation of the refrigerant
compressor is controlled based on a lowest temperature of
15 the refrigerant evaporator that is detected by the
radiation thermometer.
2. An automotive air conditioner as set forth in
Claim 1, wherein the refrigerant compressor is of a
variable displacement type.
- 20 3. An automotive air conditioner comprising;
a refrigerant evaporator for cooling air
blown into a driver-passenger compartment,
a refrigerant compressor for drawing
thereinto, compressing and discharging gaseous
25 refrigerant which has evaporated as a result of heat
exchange with air in the refrigerant evaporator, and
an artificial eye sensor for detecting a
surface temperature of the refrigerant evaporator using
an artificial retina chip, wherein
30 the operation of the refrigerant
compressor is controlled based on a lowest temperature of
the refrigerant evaporator that is detected by the
artificial eye sensor.
4. An automotive air conditioner as set forth in
35 Claim 3, wherein the refrigerant compressor is of a
variable displacement type.
5. An automotive air conditioner comprising;

a refrigerant evaporator for cooling air
blown into a driver-passenger compartment,

a refrigerant compressor for drawing
thereinto, compressing and discharging gaseous
5 refrigerant which has evaporated as a result of heat
exchange with air in the refrigerant evaporator, and

cooled air temperature detecting means for
detecting an air temperature immediately after air has
been cooled by the refrigerant evaporator, whereby
10 the operation of the refrigerant
compressor is controlled based on air temperature
detected by the cooled air temperature detecting means,
wherein

the cooled air temperature detecting means
15 has a plurality of temperature detectors for detecting
air temperatures for respective areas which result in the
event that the refrigerant evaporator is divided into a
plurality of areas.

6. An automotive air conditioner as set forth in
20 Claim 5, wherein a lowest temperature is calculated from
respective air temperatures detected by the plurality of
temperature detectors, and wherein the operation of the
refrigerant compressor is controlled based on the lowest
temperature so calculated.

25 7. An automotive air conditioner as set forth in
Claim 5, wherein the refrigerant compressor is of a
variable displacement type.